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W3BRB
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QUA RAE

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W3BRB
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QUA HERE IS NEWS OF
RAE RADIO ASSOCIATION OF ERIE

ERIE METROPOLITAN VHF SOCIETY
TRI-STATE EMERGENCY NET
LAKE ERIE EMERGENCY NET
GENERAL ELECTRIC ARS
MCDOWELL ARC
BEHREND ARC
CORY ARC
ATES ARC
RACES
AREC
RAE

QUA-RAE
EDITOR-K3AFO
JOHN A. YOKOFF
P.O. BOX 183
ERIE , PA. 16512
CALL 868-2220

RADIO ASSOCIATION OF ERIE
P.O. BOX 844
ERIE , PA. 16512
CALL 868-1217

ALL NEWS DUE BY THIRD
WEDNESDAY OF EACH MONTH

★QUA RAE STAFF★

K3AFO JOHN YOKOFF 868-2220
W3BRB JOHN GEBLER 868-1217
WA3GSH BARRY CAPELL 455-0034
K3HSM CHARLES McCOY 864-8030
WA3HSR MICHAEL HALL 833-9649
K3PLV CRAIG HILL 796-4964
MISS BONNIE ZACZYK

1

Attention All TVI complaints

The 1970 TVI Committee for the RAE and VHF Society are:

W3ALD - Grd 774-3096
K3QHO - 866-7763
WA3DLS - 864-2026

Please contact one of the above if you have Tennessee Valley Indians. Don't wait for your neighbor to cut your coax. This committee will be very happy to assist you both as good will Ambassadors or as Technical Advisors.

R.A.E. Minutes de W3BRB

Meeting of January 15, 1970

The meeting was called to order by K3VLP at 8:00 pm. The minutes of the December 4 meeting was read and approved. The treasurers report was then given by WN3MAU. Joe reported that all bills were paid and the new balance was \$432.34.

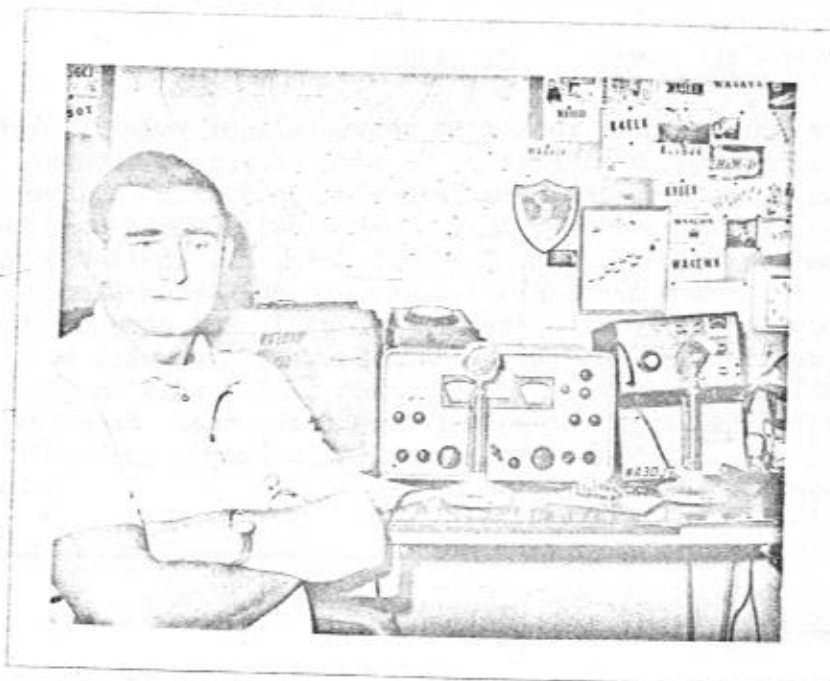
Under old business K3VLP reported that no action had been taken by the committee set up to find a new meeting place. K3AFO then gave a newsletter status report. John reported that the mailing list had been cut by 50. John also reported that a typewriter had been purchased for the newsletter. John stated that he had been in contact with W8PO the editor of the Mansfield Ohio ham paper and had been informed that Loren Windom could speak to the R.A.E.

Under new business. WA3GSH made a motion that the club pay the expenses of Mr. Windom's trip to Erie. It was seconded by K3OSU and carried. WA3HDK made a motion that the business meeting be suspended every activities meeting. It was seconded by K3VXE and carried. WA3GSH and K3OSU explained the upcoming SET test of Jan. 24 and 25. WA3HDK informed the club that the VHF committee would meet Jan. 18 at the QTH of K3QAY. The auction of April 3, 1970 was then discussed

WA3HSR made a motion for adjournment; it was seconded by K3OSU and carried.

I would like to inform the readers of the QUA RAE that club membership is now above the 100 mark. We are shooting for 200 which is not out of the question as there are over 500 hams in the area. Why not bring a friend to the next R.A.E. meeting. Any of you that have questions about membership please contact me anytime.

73's John



WA3DJT, Jack Baer

Ham of the Month de W3RRB

This month the QUA RAE is pleased to feature Jack Baer, WA3DJT, as Ham of the month. Jack's booming signal can be heard almost anytime day or night on the ham bands. After SWling for three years, Jack got the bug and obtained his license in 1965.

The rig at his 39th Street QTH is a DX100 and HQ 180 for AM work and a Galaxy V for sideband contacts. His antenna is a Mini beam and an all band dipole, both of which rest on his 40 foot red tower that can be easily seen when driving on Peach Street.

Jack spends a great deal of time on the Eye Bank Net at 3970 each evening at 8:00. Jack states that the Eye Bank provides eye tissue throughout the United States as fast as is humanly possible. Rag chewing on ten AM is Jack's second interest and even though he does not chase the DX, QSL cards on his wall prove that his signal is heard around the world.

Jack won first prize in the recent WML contest and is looking forward to the next contest. As a crane operator on a Great Lakes ship, Jack has most of the winter off for ham radio.

Jack is one of the most hospitable hams in the area and is always willing to help out his fellow ham. It is indeed a pleasure for the QUA RAE staff to salute Jack Baer, WA3DJT, as Ham of the Month.

Are you tired of that drab shack wall of yours? Don't you wish you had something attractive to show to your visitors? Well how about an award, namely, the Erie Pennsylvania Award. All you have to do to qualify is send in a list of at least 10 Erie hams that you have worked; to the RAE, P.O. Box 844, Erie, Pa. 16512 and please include the words AWARD APPLICATION somewhere on the envelope. The list should include the date, time, frequency, call, and name of the stations worked. If your list is found to be satisfactory, you will be promptly mailed the attractive award. No ham shack in the area should be without one and it's challenge for out-of-town folks too. So hurry and be the first in your area with an Erie Pennsylvania Award; and don't forget to spread the word on the air.

Propagation Report de WA3HSR

- 10 meters ... Conditions good in the morning to Europe with some African stations heard in the afternoon. South America in the late afternoon and early evening with Asians on the increase. Band closings are still early but look for longer openings with the increasing daylight.
- 15 meters ... Band usually opens 8:00 AM with very good European signals. Europeans good until about 1:00 PM when Africans can be heard until about 5:00. South America and some Asians follow until the band closes about 2 hours after sunset.
- 20 meters ... Best results for DX seem to be in the morning, late afternoon and evening hours.
- 40 meters ... Good conditions for short distance contacts with lengthening skip throughout the day reaching peak at night and early morning.
- 80 meters ... Follows 40 meters with maximum distance at night and early morning.
-

About VHF de WA3GSH50 Mc Activity

With the return of Carl Rimmer, K3OSU, to the ranks of the active 6 meter station in the area, the 50 Mc band has seen new life. Carl has recently erected his 5 - element beam at his new QTH and is active nightly on the band. He hopes that he can keep his antenna from falling off the roof this time. His last attempt was a hurry-up affair and the result was less than satisfactory. This time there is no question as to the rigidity of his antenna mount. Carl says the only way it can fall off the roof this time is if it takes the chimney with it.

(Cont'd)

50 Mc Activity (cont'd)

Karl Straub, WA3MKA, has been a new face on the 50 Mc band in past weeks. At present, Karl is running a borrowed Six'er into a homebrew 3 - element beam. Karl has been able to achieve the astounding height of 12 feet for his beam (off the ground, that is). We haven't asked Karl where he was able to find room for a tower this high, but we suspect in the future that he will attempt even greater heights. Actually, Karl has perfected a technique called "trailer bounce" and this 12 feet happens to be the optimum elevation for this type of propagation. In coming issues of the QUA-RAE we hope to have an in depth report from Karl concerning this new discovery in the field of 50 Mc propagation.

Once again, Brownie, K3QAY, has been elected as chairman of the Metropolitan, VHF Society. The job of chairman carries with it the title and duties of net manager of the TRI-STATE Emergency Net. This post is certainly not a new one for Brownie and we know that he will continue to do a fine job as he has done in the past. Additional elected amateurs for the VHF Society are:

WA3HDK	Secretary
K3SBU	Treasurer
K3OSU	Field Day Chairman
WA3GSH	Picnic Chairman
TVI Committee: W3ALD - K3QHO - WA3DLS	

This year's meeting was held at K3QAY's home.

January 10 and 11 saw a sparse turnout for the 23rd annual VHF Sweepstakes. Unfortunately, over-all activity in the area was greatly reduced over September's showing. Band conditions were quite unsettled and left a lot to be desired. Other than a few stations heard by means of temperature inversion ducting, no openings occurred. Many thanks to all the local boys for giving me a contact for the contest.

Make note of the fact that dual-band transmitter hunts are scheduled for the third Sunday of each month. Last month's hunt had a good turnout, especially in view of the extremely cold weather. Mark every third Sunday on your calendar and plan on getting in on the action. A new scoring system has been initiated for this year. Details on this appears elsewhere in the newsletter. Don't forget Tri-State Net, Sundays 9:00 PM EST on 50.52 Mc.

Strays de QUA-RAE Staff

W3QN	Ken Lloyd runs regular patches to his daughter in Oakland, N.J. via WA2DPN on 40 meters. Ken also runs patches for K3NAU/2, to his family in Erie.
WN3JIS	Jim Smith anxiously awaiting his WA3JIS call. Jim plans to be very active on the 6 mtr band.
W3LKJ	George Roschy is spending all his spare time on the Eye Bank Net. This explains George's absence from ten. Keep up the good work George!
WA3ISN	Rick Craig piling up the DX contacts on ten SSB with his new HW-100.
WA3GMN	Peg Sayre is patiently awaiting her DXCC Award. Peg has contacted 101 countries (mostly on 15 SSB). Congratulations!
K7CXB	Steve Hardash, a popular 10 meter AM QSO in Erie is not being reported too often. Anyone Know why??

Strays (Cont'd)

- W3AQY Bill MacIvor spent the weekend of Jan. 24-25 tracking the Australis Oscar 5, 10 meter satellite. Bill reports signals as high as 20 over 9 during the morning hours.
- W8PO Eldon Heck; thanks goes Eldon, the editor of the "Inter-City Radio Club News Bulletin" (Mansfield, Ohio) for helping the RAE get Loren Windom for our March 19 meeting.
- W3TLA Andy Payer; did Andy find that Oscilloscope yet?
- K3GYD Don Eller busy working the Russians on 10 meter AM.
- K3PLV Craig Hill looking forward to many new teaching experiences as he gets ready to teach his second semester.
- WA3GIV Fred Tate has been silent from the air waves. Rumor has it that Fred Discovered an ice pond in his back yard.
- W3CUV Neil Argensy heard operating from his old QTH. Let's hurry up and get that rig set up at West 15th Street!
- WA3GJH Joe Szmanowicz busily preparing for the April 3 Auction being held by the RAE.
- K3HFL Bud Wilson doing a little Dxing on 10 meter SSB. Did you get that 6W8 Bud?
- WA3HRJ Jim McCray was beat out of first place by one turn in the Jan. 18 xmtr hunt. Jim has already laid claim to the xmtr hunt award which will be presented at end of year. Good Luck Jim!
- W3KPE Isabelle is anxiously awaiting the return of her SWAN 500 which is presently being repair'd by SWAN Co. Better not drive it so hard Isabelle!
- W3KZU Bob Jordan (Jordan/Key Electronics) has been giving the Erie Hams some special deals on parts and equipment. Why not pay Bob a visit sometime?
- WA3DJT/W3LKJ/W3PIX/WA3GIV Are all regular checkins on the eye bank net (3,970 KC)
- WN8BBQ Nick Stichick is RAE member #116. Nick is the brother of Don W3HLM. Nick is presently stationed in New London, Conn. and enjoys the QUA-RAE.
- WA3MKA Karl Straub; thanks goes to Karl for his assistance in helping the RAE locate a new club house.
- WA3MKT Rick Cutter usually spends his late evenings and early mornings in the GE "shanty" assembling old surplus gear (hi, hi).
- K3NAU/2 Chuck Bliley; How about talking your Coast Guard friends into helping the RAE DXexpedition (W3GV/KS4B) land on Roncador Cay?
- W3RVG Tom Gannon can really work those "rare-ones" in the pile ups.
- W3SLC Walter Jordan monitors the ham bands and enjoys listening to all his old pals. Walt would like to pass his best 73's to all the RAE members. Why not drop Walt a line to 2723 Holland St.!

Strays (Cont'd)

- W3TPW Bert Van Houten is presently modifying his DX-100 for SSB operation.
- K3TUP John Kanzius guarantees to increase your receiver sensitivity by 2 s-units by his "special" peaking method.

Internationally Known Radio Amateur to Speak at RAE de K3AFO

Internationally known, W8GZ, Loren G. Windom will be the featured speaker at the March 19 RAE Meeting. Mr. Windom is the inventor of the famous multiband antenna called the "off-center feed" or "Windom antenna". The antenna enjoyed its greatest popularity in the 1930's and 1940's. This antenna has been used for many years by Erie Amateur Radio Operators and with great success.

Loren will discuss the difficulties that resulted in the development of the "Windom" antenna and many of his experiences as a young man in amateur radio along with the fascinating events in his later life as he continued in ham radio.

Following Mr. Loren G. Windom, will be Mr. Harold W. Shaner (licensed in the 1930's as W8NHD and later W3NHD), General Transmission and Protection Engineer at the Gen. Tel. Co. Mr. Shaner will discuss transmission lines and standing waves with his famous "Wave Machine". Mr. Shaner, an expert in the field of transmission, will certainly give new insight to the Standing Wave Problem.

A #100-24H Tymeter 24 hour clock has been received by the RAE from the Pennwood Numechron Company and this clock will be definitely raffled off at the completion of the RAE Activities Meeting. Only members of the RAE will be eligible to win. This clock will look smart in anyone's radio shack.

Refreshments will be served at the conclusion of the meeting. Don't forget -- March 19, 1970 8:00 P.M. !! at the Council Chambers, City Hall. We urge all RAE members, guests, YL and XYL's to attend this meeting for an enjoyable, informative and an enlightened evening.

The Calls listed below are paid members of the RAE for the year 1970. If your call does not appear, it is time to get your dues (\$1.50) in for the new year. Only 1970 members of the RAE will be receiving regular monthly issues of the QUA-RAE. Complementary copies will be sent to non-members when extra copies are available. Mail dues to RAE, P.O. Box 844, Erie, Pa. 16512 or contact RAE club secretary, W3BRB, 868-1217.. This list compiled as of 1/28/70. RAE now consists of 118 members!

K3AER	WA3DJT	W3HLM	W8JIV	W3LKJ	W3NGI	K3SBU	W3VHP
K3AFO	W3DKL	WA3HLN	W3JIW	WN3LKR	W3NXX	W3SLC	K3VLP
W3ALD	W8DLW	Raymond	WA3JJT	W3LMK	K3OSU	W3SN	K3VRM
W3AQY	WA3DLS	Hool	WA3KAI	K3LQN	K3PAJ	Nick Stichick	K3VXE
K3ATZ	WA3EZR	WA3HRH	K3KAP	WN3MAU	K3PBS	W3STK	W3WAX
WA3AWB	WA3FFD	WA3HRJ	W3KFH	W3MED	K3PCI	Albert	W3WDK
K3AXS	WA3GIV	WA3HRX	WA3KFX	WN3MFL	W3PIX	Thompson	W3WSO
W3BBO	WA3GJH	K3HSM	K3KJN	Steve	W3PIY	W3TMK	W3WZ
WA3BBV	WA3GMN	WA3HSR	WA3KJQ	Mioduszewski	K3PLV	W3TPW	George Younkin
WA2BCA	WA3GSH	W3HTD	W3KKJ	W3MJV	W3PJD	K3TUP	K3ZGG
W3BRB	K3GYD	W7IKZ	WA3KKT	WA3MKA	K3QHO	Emmanuel	
WA3BVI	WA3HCR	WA3IOG	W3KPE	WA3MKT	K3QIP	Tzouanakis	
W3BVM	WA3HDK	WA3ISN	W3KPJ	WN3MTA	W3QN	W3UCZ	
K3CHD	K3HFL	WA3JAT	W3KPM	WN3MTS	W3QPC	K3UIK	
WA3COO	WA3HGJ	WA3JFV	K3LIG	K3NAU	W3RLJ	W8UMS	
W3CUV	WA3HJC	WN3JIS	W3LIF		W3RUC		

January 18 Transmitter Hunt de K3PLV

The first transmitter hunt of the year was held at St. Mark's Episcopal Church (4701 Old French Rd.). Hiding the transmitters on 10 and 6 meters were W3BRB and K3OSU. Poor weather again held the participants down but those that did show up, enjoyed themselves and the hospitality of the Church. This site is quite high and was even discussed as a possible field day location.

10 Meters

W3BRB (hidden xmtr)
K3PLV (first)
K3AFO (second)
W3HLM
WA3HSR

6 Meters

K3OSU (hidden xmtr)
K3QAY (first)
WA3HRJ (second)
W3ALD
WA3DLS
WA3MKA
WA3GSH

Next transmitter hunt will be February 15, 1970 at 6:30 pm. New rules and scoring are now in effect. Let's make this a large turnout!

Transmitter hunt standings as of 1-18-70

10 Meters

Points

W3BRB 10
K3PLV 10
K3AFO 5
W3HLM 2
WA3HSR 1

6 Meters

Points

K3OSU 10
K3QAY 10
WA3HRJ 6
W3ALD 2
WA3DLS 2
WA3MKA 1
WA3GSH 1

See transmitter hunt scoring system following article.

New Transmitter Hunt Rules Adopted de WA3GSH

To start the new year off on the right foot a new set of rules has been adopted for the dual-band transmitter hunts which are held on the third Sunday of every month. These rules were generated and approved by transmitter hunt chairman Fred Tate, WA3GIV, and Carl Rimmer, K3OSU. The rules that are to go in effect are retroactive to January 1970. Hence, those individuals who participated in January's hunt can claim scores according to the following rules. The new rules have tried to overcome much of the criticism that has been advanced in the past. It is hoped that these rules will be useful in contributing to the success that these transmitter hunts have enjoyed.

The following rules have been submitted by WA3GIV and K3OSU:

Basic Scoring (Each Band Individually)

First Place 10 Points
Second Place 5 Points
Other mobiles
(Other than 1st or 2nd) 2 Points

(Cont'd)

New Transmitter Hunt Rules (Cont'd)

Each licensed amateur who rides with a participating mobile is awarded one point for each licensed amateur who is a passenger with his mobile; no mobile can claim more than a MAXIMUM of four points for passengers even though he may be carrying more than four in his vehicle.

The HIDDEN MOBILE forfeits any points normally derived from passengers that may be riding with him; these passengers, however, can claim one point each in the same way that passengers in the competing mobiles other than the hidden mobile do.

HIDING OPTION

To increase flexibility a Hiding Option has been established. The first place winner of the transmitter hunt on each band shall have the option of hiding the transmitter for the next month's hunt. In the event that he does not wish to hide the transmitter the individual who had been regularly scheduled to hide the transmitter for that month shall assume the responsibility for hiding the transmitter. If the first-place winner chooses to pick up the option of hiding the transmitter he receives ten points. If he declines the option the individual who was scheduled hides the transmitter and receives ten points.

If the individual who was scheduled to hide the transmitter has forfeited this opportunity to the first-place winner, and (who has chosen to pick up the option) has not yet had the chance to hide the transmitter at some time during the year: then this individual receives ten point BOGEY for having been denied the opportunity to hide the transmitter.

BOGEY

Any mobile who has been denied the opportunity to hide the transmitter at some time during the year shall receive ten points. The ten points are to be awarded at the end of the transmitter hunt competition for the year and can only be awarded to mobiles who have entered at least one transmitter hunt.

Points earned in the transmitter hunts are non-transferrable.

Any mobile who sustains a speeding ticket or is involved in a car-pedestrian accident shall be disqualified from that particular transmitter hunt. (No fender-benders allowed fellas).

These rules represent the new system that is to be used for future transmitter hunts. This scoring should spice up the general participation. It must be noted that to date no one has decided whether splashing mud inside K3AFO's automobile shall be considered serious enough to warrant immediate disqualification on the part of the offender.

Transmitter Hunt Rules Courtesy:

Fred Tate - WA3GIV

Carl Rimmer- K3OSU

CO-CHAIRMEN, Transmitter Hunt

Readers of the QUA-RAE who are not RAE MEMBERS -- How about joining the
RAE -- We need your \$1.50.....

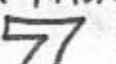
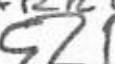
10 METERS de K3AFO

1. Big news on 10 Meters is that the Australis - Oscar 5 satellite (29.450 MHz) has finally been launched and has been reported by many hams in Erie. W3AQY and WA3DJT were some of the first to report it with loud and clear signals during the morning and afternoon hours of Sunday, January 25. To save on battery drain, the radio transmitter on the satellite will only be operated on weekends (7:00 pm Fri. to 7:00 Sund.) Happy tracking!
2. Ten meter net control station for the month of February will be WA3HSR. WA3DJT did a good job for the month of January. Lets keep the quality of net operation up. How about checking for late comers or newcomers midway through the comments? Other pre-requisites for net control should be ability to receive signals in the Tri-State area and have a signal that can be heard. Also, net control should be able to operate "rapid-fire" How about considering some of these factors Frank? Let's get those check-ins to at least 40 per net.
3. Much local SSB and AM activity can be heard at both ends of 10 meters with W3RVM, W3MMJ, W3KKT, W3QN, W3AQY holding down the fort at one end and WA3DJT, K3ABG, K3TUP, W3CUV and K3LIG balancing the band at the other. It's great to hear all that local QRM..
4. The real long haul openings are just around the corner on 10 meters. Look for such prefixes as HS, XW8, 9M2, VU2, 4S7 during February and March. Last year the big day was March 29.
5. Transmitter Hunt on February 15, 1969, 6:30 pm. Don't forget the new scoring system. Go out and get some points. Winner at end of year (along with 2nd place) will receive a valuable award.

SSB (Sale, Swap or Buy) de K3AFO

1. For Sale - Knight T-60 xmtr. 60W CW, 50W AM, Call WA3MKA 833-6995.
2. For Sale - Heath kit DX-40 xmtr with VF-1 VFO. Lafayette HE-45-B with HE-61 VFO, call WA2BCA Ripley, N.Y. 736-5435.
3. For Sale - a) HQ-110 A VHF Hammarlund Receiver 160 thru 2.
b) TX-62 Ameco Transmitter 50-52 MC, 144-148 Mc with 621 VFO for 6, 2 and 1 1/4 meters.
c) Globe Scout 50 transmitter. 160 thru 10 meters.
d) Model 19 page printer, power table and tape perf - complete.
e) Eico 5" Scope
f) Heathkit C.D.O.
g) Associated antenna's, rotor and equipment
Contact W. A. Storer, WA3HFE. 915 W. 7th St. 454-3933
4. For Sale - FM equipment available from Motorola, units in "as in" condition for \$10 a unit. Contact WA3GSH 455-0034 for further details.
5. Wanted - Prop - pitch rotator or equivalent (reasonable)
For Sale - 250 watt modulator (811-A's), good shape \$25.00 - Call 833-5983

CALENDAR OF EVENTS

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
HIDDEN XMITTER HUNT 15 	16	17	18	[RAE MARS TALK & FILM]	20	ARRL DX-CW 21 
ARRL DX-CW 22 	23	24	25	26	27	28
1 	2 	3 	4 	RED BLOS CROSS HIGH RAE BUSINESS MEETING	6 	ARRL DX PHONE 7 
ARRL DX PHONE 10 	NINE	10	11	12	FRIDAY THIRTIETH STAY CLEAR OF H.E. VOLTAGES	14 STILL SHANT TO STAY CLEAR OF HI VOLT! ANYWAY -
HIDDEN XMITTER 	16	17	18	LAVREN WINDIA HAROLD SHAWER CITY HALL	RAE ACTIVITY MEETING 20	ARRL DX CW 21 
ARRL DX CW 22 	23	24	25	26	27	28

A C T I V I T I E S

de K3HSM.

The February 19, 1970 meeting of the RAE will be an activity meeting featuring Bob Bair giving a talk on Military Affiliate Radio Stations. Bob will briefly discuss the MARS system, the particulars for joining, and will discuss how MARS activities are run with some tapes of actual net activity.

Following Bob's discussion will be an informative film covering selected (technical aspects) of electronics.

There will be plenty of time after the formal part of the meeting for a friendly eye-ball session. Superb coffee (brewed by K3HSM), exquisite do-nuts, and refreshing soft drinks will be available. Mark this meeting down on your calendar as a must to attend for it will be a good time to meet your fellow ham in the relaxed atmosphere of a good old-fashioned, rag-chew meeting of the best bunch of guys in the ham fraternity - the members of the RAE.

Meeting starts at 8:00 PM, Red Cross Building, 6th and Sassafras.

RAE Auction de WA3GJH

Get your goodies out fellow hams, swl'ers, friends of hamdom and electronic nuts. Pull out those drawers, dig through your junk boxes, resurrect those soft 811's and 6146's; its that time of year. The RAE is having its annual "Ham auction" on Friday, April 3 at 8 PM. It will be held at Penelec - Evans Rd. and Rt. 97. This location is about half way between I-90 and Erie's city limit on Rt 97.

Auctioneers: K3SBU - Bob Dziubkowski
K3UPC - John Squires

will endeavor for your pleasure and profit to sell every piece of gear that passes through their hands. There will be free donuts and coffee of course, and soft drinks are handy for weaker stomachs. Last year the RAE had a very good turn out in both attendance and gear. Quite a large quantity of higher priced electronic gear was sold, bidding was brisk and everyone seemed pleased.

The rules of the auction are few and simple:

1. The RAE receives 10% of the selling price.
2. No minimums posted. (you may save your gear by bidding at no charge)
3. No private bargaining between principles.

Soooo -- bring some gear this year -- also money, honey and we'll have another great auction.

73, WA3GJH

Local TV in Erie should soon be featuring the ARRL's 27½ min. color film on amateur radio.

Late note: W3RVG, TOM GANNON is now W3YZ.

Definition of CW -- A form of radio communication utilizing suppressed sideband, exalted - carrier techniques and modulated by a fast-acting switch. Often un-readable.

RAE DXexpedition de K3AFO

The Radio Association of Erie is making tentative plans for a 3 day expedition to Serrana Bank or Roncador Cay. Permission has already been granted by the FCC to operate under the call of W3GV/KS4B. Operation will take place sometime in June/ July or August. Much depends on transportation connections and the amount of financial support that can be received for this expedition.

Serrana Bank is located 14° 25' N. Lat. and 80° 16' W. Long. It is approximately 150 Mi North East. of San Andres Island (HKØ). Roncador Cay is located 13° 35' N. Lat. and 80° 14' W. Long. It is about 125 Mi. from San Andres.

Both islands were claimed by the U.S. in 1919 and count as a separate country listing on the ARRL DXCC (KS4B). They are both uninhabited and are very much sought after by the thousands of world DXers. More information will appear on the W3GV Expedition in the coming issues of the QUA-RAE.

Don't forget "Erie Engineers Week" - February 24 to 26 - highlight of program will be Col. Powers talk on "The Moon and Beyond" featured at 7:30 PM on February 26 (Zem Zem Mosque).

"Erie's Ham Headquarters"

Erie Electronic Supply Company, W3NXK owner,
1835 W. 26 Street, Call 455-4512

Following equipment available from John: SR-500 Hallicrafters "Tornado" Tri-band transceiver, SR-540 "Cyclone" 5 band transceiver, SR-2,000 "Hurricane" 5 band transceiver, SR-42A and SR-46A VHF transceivers; SX-146, SX-122 and SX-130 receivers. John also handles all other hallicrafter models. Just ask him, he will order it for you! John also has "ham specials" on color TV sets. A new batch of used and reconditioned gear has just arrived. Stop in and look around at Erie's Ham Headquarters.

W3LKH, Jim Waldermarson has been a little under the weather, but is now coming around and is anxious to get back on the air. W3AQY, W3LUG and K3ABG are helping Jim get his old rig back into shape on 10 meter CW and AM. We hope to hear you on soon Jim, and wish you speedy recovery. Why not drop Jim a line at home? W3LKH, Rfd. 2, Wattsburg, Pa. 16442. Jim would be glad to hear from his old buddies.

S U M M I N G I T U P

de K3AFO

The Radio Association of Erie is now at a record membership. Why stop now, let's make it 200 or more! Many activities are being planned for the coming months along with a new scoring system for the transmitter hunts on 10 and 6 meters (including valuable awards at end of year for 1st and 2nd place winners of both bands). Name speakers are being planned for each activities meeting, the auction plans are in high gear, field day is being planned and of course the big RAE DXexpedition to the rare islands of Roncador Cay and Serrana Bank are in the making. A new RAE club house should be decided on the next few meetings and plans for the running of "The Hams Wide World", a 27½ minute color film on amateur radio, are being made at an Erie TV station. We'd like each and every ham in the Tri-State area (there's 500 of you!) to take part in all the RAE activities. Bring along your friends, YL's and XYL's and spend some very informative and entertaining evenings with the Radio Association of Erie.

CU Next Month
73's

K3AFO

QUA-RAE
JOHN A. YOKOFF
EDITOR
K3AFO
P.O. BOX 183
ERIE, PA. 16512

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LAST MINUTE ITEMS:

1. The R.A.E. received word on Feb. 9 that Mr. Loren G. Windom W8GZ suffered a coronary attack and is presently in intensive care. All the Erie Amateurs wish Mr. Windom a speedy recovery. Loren was the R.A.E.'s Featured Speaker on March 19. The March issue of the QUA-RAE will contain information on the replacement speaker. The Wave Machine Demonstration and the other parts of this special program will take place as scheduled at the City Hall Council Chambers. Lets make sure we pack the place !
2. R.A.E. membership is now at an all time record high. At this date (2-12-70) membership is at 130.
3. FOR SALE: Brand new HQ-110A-VHF 300.00 dollars
DX-100B with conversion for RTTY \$60.00
SX-99 Receiver \$60.00
Globe Scout Xmtr 25.00 dollars
For all of the above, contact K3CKO Bob Swarm, R.D. # 3, Corry, Pa. Call: 455-5466 Ext. 2696 or 663-5839
4. WA3HRJ, Jim McCray, recently had knee surgery at Hamet Hospital and is now back home recovering. Speedy recovery Jim!
5. W3POS, Mr. Ed Gubish is at the Vets Hospital and is a little under the weather. Why not drop Ed a card or stop and see him. We all hope you will be feeling better Ed!
6. Welcome to Gross, W8BKM and Eli, W8GR as new members of the RAE.
7. Coming soon- "THE HAM'S WIDE WORLD" on WJET and WQLN TV.